

WE CLAIM:

1. A device for reducing vibration and shock in an archery bow, the device comprising:

a base formed of a flexible material;

a body integrated with the base; and

a peripheral mass positioned on a portion of the body opposite the base,

wherein the peripheral mass comprises a pair of flanges extending laterally across the body.

2. The device of Claim 1 wherein the body comprises a non-uniform cross-section as the body extends away from the base.

3. The device of Claim 2 wherein the non-uniform cross-section comprises a continuously decreasing area as the body extends away from the base.

4. The device of Claim 1 wherein the body has a cross-section having a greater area toward the base and a cross-section having a smaller area toward the peripheral mass.

5. The device of Claim 1 further comprising:

one or more ribs positioned between the peripheral mass and the base.

6. The device of Claim 1 wherein the body comprises a tapered “V” shaped profile.

7. The device of Claim 1 in combination with:
a mount positioned on a limb of the archery bow; and
the base positioned on a side of the mount and connected to the mount so that the device may be axially aligned with a second device on an opposite side of the mount.

8. The device of Claim 7 further comprising:
a through hole positioned through the base; and
mounting hardware passing through the base to anchor the device with respect to the archery bow.

9. The device of Claim 1 further comprising a through hole extending through a center of the body.

10. A device for reducing vibration and shock in an archery bow, the device comprising:
a body having an integrally formed base; and

a peripheral mass positioned at a distal end of the body resulting in an asymmetric vibration of the device when an arrow is discharged from the archery bow, wherein the peripheral mass comprises a pair of flanges extending laterally across the body.

11. The device of Claim 10 wherein the body extends away from the base in a cross-section having a decreasing area

12. The device of Claim 10 wherein the body comprises a pair of outwardly extending arms, each arm terminating in a flange of the pair of flanges forming the peripheral mass.

13. A device for reducing vibration and shock in an archery bow, the device comprising:

a body having an integral base, the body having a non-uniform cross-section across a longitudinal length of the body terminating at a peripheral mass positioned at a distal end of the body, wherein the peripheral mass comprises a pair of flanges extending laterally across the body.

14. The device of Claim 13 wherein the body comprises a pair of outwardly extending arms, each arm terminating in a flange of the pair of flanges forming the peripheral mass.

15. The device of Claim 13 wherein the body and the base are integrally molded to form a unitary, single-piece device.

16. The device of Claim 13 in combination with:
a mount positioned on a limb of the archery bow; and
the base positioned on a side of the mount and connected to the mount so that the device may be axially aligned with a second device on an opposite side of the mount.

17. The device of Claim 16 further comprising:
a through hole positioned through the base; and
mounting hardware passing through the base to anchor the device with respect to the archery bow.